

## ABSTRACT OF THE DISCLOSURES

An innovative GPS/DAB and GSM hybrid antenna array is composed of an entrainer for entraining a PCB or other electric circuit boards, a GPS/DAB ceramic patch antenna entrained on a surface of the entrainer, a low noise amplifier (LNA) entrained on the other surface thereof, and an antenna for global system mobile communication (GSM). By forming the GSM antenna into a planar thin strip configuration, the height and size of this hybrid antenna array can be greatly reduced, and fabrication cost of the same can also be cut down.